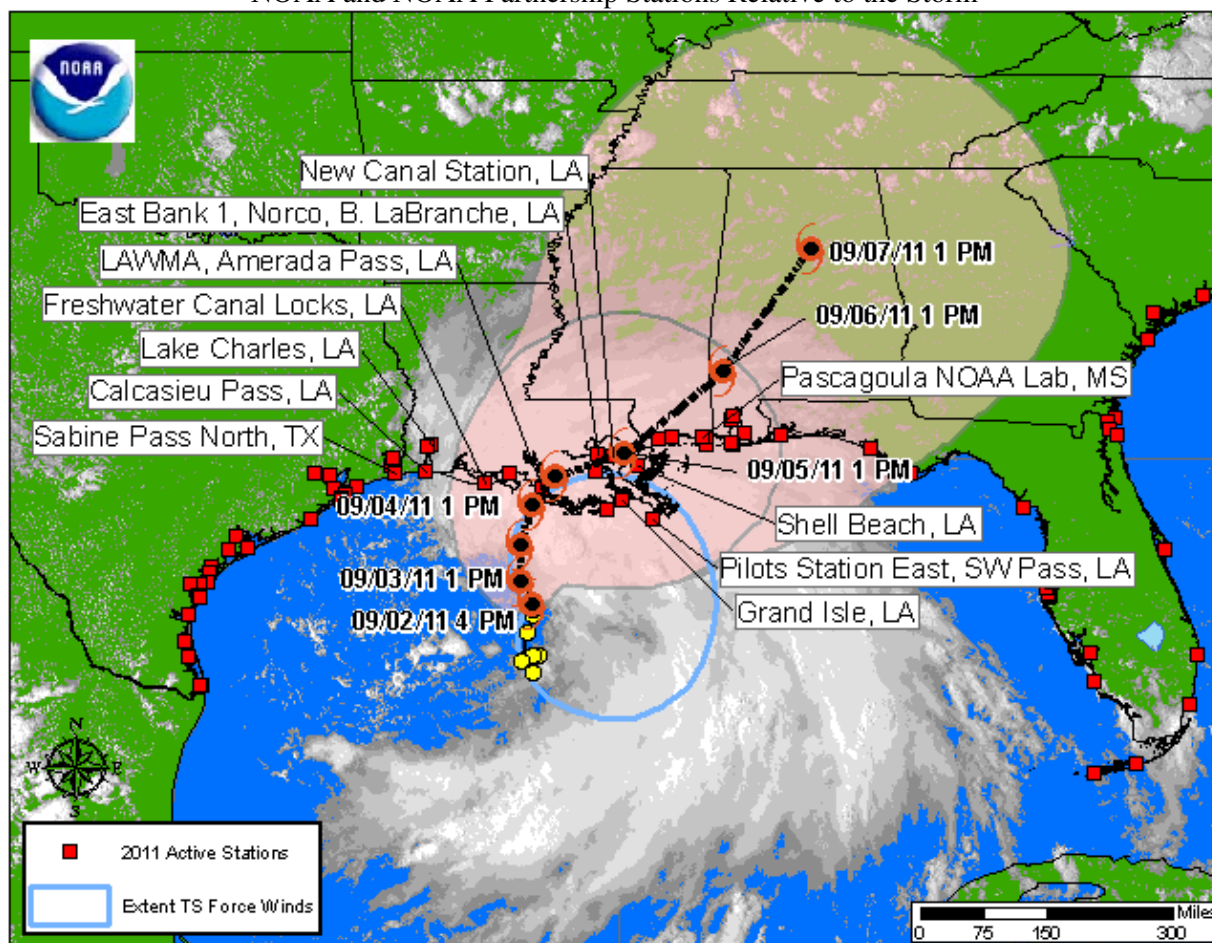




Tropical Storm LEE QuickLook  
Posted: 17:00 CDT 09/02/2011

#### NOAA and NOAA Partnership Stations Relative to the Storm



#### Storm Analysis

As of 09/02/2011 17:00 CDT, water levels along the northern Gulf of Mexico coastline from Mississippi to eastern Texas are rising. Levels from LAWMA, Amerada Pass, LA westward to Sabine Pass North, TX generally range between 0.5 and 1.25 feet above predictions. Water levels along the coast from Grand Isle, LA eastward to Pascagoula NOAA Lab, MS are generally 1.0 to 2.5 feet above predictions with Shell Beach, LA measuring the highest residual of over 2.5 feet during the past few hours. Water levels within the Mississippi River are rising as well, partially due to runoff from excessive rainfall with East Bank and New Canal Station, LA measuring residuals between 1.5 and 2.25 ft above predicted levels.

Winds are increasing and range between 10 and 30 kts with higher gusts. Pilots Station East, LA measured several wind gusts over 40 kts over the past few hours. Barometric pressure continues to fall across the region.

Tropical Storm LEE QuickLook, POSTED 17:00 CDT 09/02/2011

Water Level and Meteorological plots available below are updated automatically. Water level predictions relative to Mean Lower Low Water are:

LAWMA, Amerada Pass, LA: Next predicted high tides are 1.2 ft (0.38 m) at 09/02/2011 21:39 CDT and 1.0 ft (0.32 m) at 09/03/2011 06:30 CDT.

Grand Isle, LA: Next predicted high tides are 1.5 ft (0.44 m) at 09/03/2011 02:04 CDT and 1.5 ft (0.47 m) at 09/04/2011 03:06 CDT.

Pilots Station East, SW Pass, LA: Next predicted high tides are 1.5 ft (0.46 m) at 09/03/2011 00:31 CDT and 1.6 ft (0.50 m) at 09/04/2011 01:31 CDT.

Shell Beach, LA: Next predicted high tides are 1.5 ft (0.46 m) at 09/03/2011 06:12 CDT and 1.6 ft (0.49 m) at 09/04/2011 06:56 CDT.

East Bank 1, Norco, B. LaBranche, LA: Next predicted high tides are 0.4 ft (0.13 m) at 09/03/2011 12:47 CDT and 0.4 ft (0.13 m) at 09/04/2011 13:35 CDT.

New Canal Station, LA: Next predicted high tides are 0.5 ft (0.14 m) at 09/03/2011 11:04 CDT and 0.5 ft (0.14 m) at 09/04/2011 11:44 CDT.

Pascagoula NOAA Lab, MS: Next predicted high tides are 1.5 ft (0.47 m) at 09/03/2011 01:18 CDT and 1.6 ft (0.51 m) at 09/04/2011 02:30 CDT.

Freshwater Canal Locks, LA: Next predicted high tides are 2.0 ft (0.60 m) at 09/02/2011 20:46 CDT and 1.8 ft (0.55 m) at 09/03/2011 03:49 CDT.

Lake Charles, LA: Next predicted high tides are 1.1 ft (0.34 m) at 09/03/2011 01:35 CDT and 1.1 ft (0.34 m) at 09/03/2011 10:50 CDT.

Calcasieu Pass, LA: Next predicted high tides are 2.0 ft (0.62 m) at 09/02/2011 20:53 CDT and 2.0 ft (0.61 m) at 09/03/2011 05:43 CDT.

Sabine Pass North, TX: Next predicted high tides are 1.8 ft (0.54 m) at 09/02/2011 21:21 CDT and 1.7 ft (0.53 m) at 09/03/2011 06:35 CDT.

For additional data, please see the Center for Operational Oceanographic Products & Services website. For information on Highest Astronomical Tide (HAT), NAVD88 and other datums, please see Tidal Datums. For more information or archived products and reports, please see the Storm QuickLook Homepage.

Analyst: PFF

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SELECT NATIONAL HURRICANE CENTER ADVISORY INFORMATION:

TROPICAL STORM LEE ADVISORY NUMBER 5

400 PM CDT FRI SEP 02 2011

...TROPICAL STORM LEE DRIFTING NORTHWARD TOWARD THE SOUTHERN LOUISIANA

COAST...SQUALLS WITH HEAVY RAIN AND GUSTY WINDS SPREADING INLAND ACROSS MUCH OF SOUTHEASTERN AND SOUTH-CENTRAL LOUISIANA...

#### WATCHES AND WARNINGS

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A TROPICAL STORM WARNING IS IN EFFECT FOR...

\* PASCAGOULA MISSISSIPPI WESTWARD TO SABINE PASS TEXAS...INCLUDING THE CITY OF NEW ORLEANS...LAKE PONTCHARTRAIN...AND LAKE MAUREPAS

A TROPICAL STORM WARNING MEANS THAT TROPICAL STORM CONDITIONS ARE EXPECTED SOMEWHERE WITHIN THE WARNING AREA...IN THIS CASE WITHIN THE NEXT 24 HOURS.

FOR STORM INFORMATION SPECIFIC TO YOUR AREA...INCLUDING POSSIBLE INLAND WATCHES AND WARNINGS...PLEASE MONITOR PRODUCTS ISSUED BY YOUR LOCAL NATIONAL WEATHER SERVICE FORECAST OFFICE.

#### DISCUSSION AND 48-HOUR OUTLOOK

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AT 400 PM CDT THE CENTER OF TROPICAL STORM LEE WAS LOCATED ABOUT 185 MI SW OF THE MOUTH OF THE MISSISSIPPI RIVER AND ABOUT 220 MI SE OF PORT ARTHUR TEXAS NEAR LATITUDE 27.5 NORTH...LONGITUDE 91.5 WEST. LEE IS DRIFTING TOWARD THE NORTH NEAR 2 MPH. A SLOW AND POSSIBLY ERRATIC MOTION TOWARD THE NORTHWEST OR NORTH IS EXPECTED TONIGHT AND SATURDAY. ON THE FORECAST TRACK...THE CENTER OF THE TROPICAL STORM IS EXPECTED TO APPROACH THE COAST OF SOUTHERN LOUISIANA DURING THE WEEKEND.

REPORTS FROM OIL RIGS AND AN AIR FORCE RESERVE UNIT RECONNAISSANCE AIRCRAFT INDICATE MAXIMUM SUSTAINED WINDS HAVE INCREASED TO NEAR 45 MPH WITH HIGHER GUSTS. GRADUAL STRENGTHENING IS FORECAST DURING THE NEXT 48 HOURS.

TROPICAL-STORM-FORCE WINDS EXTEND OUTWARD UP TO 200 MILES MAINLY NORTHEAST THROUGH SOUTHEAST OF THE CENTER. A SUSTAINED WIND OF 60 MPH WAS RECENTLY OBSERVED ON AN OIL RIG LOCATED ABOUT 65 MILES SOUTH OF THE MOUTH OF MISSISSIPPI RIVER AT AN ALTITUDE A FEW HUNDRED FEET ABOVE THE OCEAN SURFACE.

THE ESTIMATED MINIMUM CENTRAL PRESSURE BASED ON REPORTS FROM NEARBY OIL RIGS IS 1003 MB...29.62 INCHES.

#### HAZARDS AFFECTING LAND

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RAINFALL...TROPICAL STORM LEE IS EXPECTED TO PRODUCE TOTAL RAIN ACCUMULATIONS OF 10 TO 15 INCHES OVER SOUTHERN LOUISIANA...SOUTHERN MISSISSIPPI...AND SOUTHERN ALABAMA THROUGH SUNDAY...WITH POSSIBLE ISOLATED MAXIMUM AMOUNTS OF 20 INCHES. THESE RAINS ARE EXPECTED TO CAUSE EXTENSIVE FLOODING...ESPECIALLY IN URBAN AREAS. RAINFALL AMOUNTS OF 4 TO 8 INCHES WILL BE POSSIBLE OVER THE FLORIDA PANHANDLE THROUGH SUNDAY.

STORM SURGE...A STORM SURGE WILL RAISE WATER LEVELS BY AS MUCH AS 2 TO 4 FEET ABOVE GROUND LEVEL ALONG THE NORTHERN GULF COAST WITHIN THE TROPICAL STORM WARNING AREA. ELEVATED WATER LEVELS ARE ALSO POSSIBLE EAST OF THE

Tropical Storm LEE QuickLook, POSTED 17:00 CDT 09/02/2011

WARNING AREA OVER COASTAL PORTIONS OF ALABAMA AND THE FLORIDA PANHANDLE RESULTING IN MINOR COASTAL FLOODING WITHIN THESE AREAS. SEE PRODUCTS ISSUED BY LOCAL NATIONAL WEATHER SERVICE FORECAST OFFICES FOR MORE DETAILS.

WIND...TROPICAL STORM CONDITIONS ARE EXPECTED TO FIRST REACH THE COAST WITHIN THE WARNING AREA THIS EVENING...MAKING OUTSIDE PREPARATIONS DIFFICULT OR DANGEROUS.

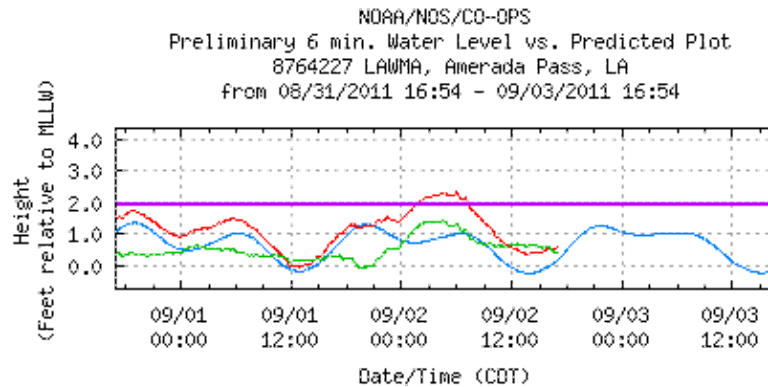
TORNADOES...ISOLATED TORNADOES ARE POSSIBLE TONIGHT OVER PORTIONS OF SOUTHERN LOUISIANA AND EXTREME SOUTHERN MISSISSIPPI.

FORECASTER STEWART

For the purpose of timely release, data contained within this QuickLook have undergone a "limited" NOS Quality Assurance/Control; however, the data have not yet undergone final verification. All data subject to NOS verification.

Jump to: [LAWMA, Amerada Pass - Water Level](#), [LAWMA, Amerada Pass - Winds](#), [LAWMA, Amerada Pass - Barometric](#), [LAWMA, Amerada Pass - Air/Water Temp](#), [Grand Isle - Water Level](#), [Pilots Station East, SW Pass - Water Level](#), [Pilots Station East, SW Pass - Winds](#), [Shell Beach - Water Level](#), [Shell Beach - Winds](#), [Shell Beach - Barometric](#), [East Bank 1, Norco, B. LaBranche - Water Level](#), [East Bank 1, Norco, B. LaBranche - Winds](#), [East Bank 1, Norco, B. LaBranche - Barometric](#), [New Canal Station - Water Level](#), [New Canal Station - Winds](#), [New Canal Station - Barometric](#), [Pascagoula NOAA Lab - Water Level](#), [Freshwater Canal Locks - Water Level](#), [Freshwater Canal Locks - Winds](#), [Lake Charles - Water Level](#), [Calcasieu Pass - Water Level](#), [Calcasieu Pass - Winds](#), [Sabine Pass North - Water Level](#), [Sabine Pass North - Winds](#),

LAWMA, Amerada Pass, LA - Return to List

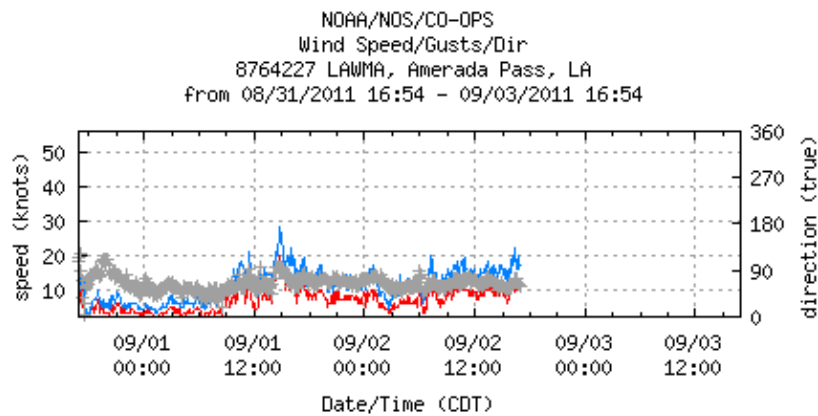


Last Observed Sample: 09/02/2011 16:54 (CDT)

Relative to MLLW: **Observed: 0.57 ft.** **Predicted: 0.16 ft.** **Residual: 0.41 ft.**

Historical Maximum Water Level: Sep 12 2008, 5.92 ft. above MHHW

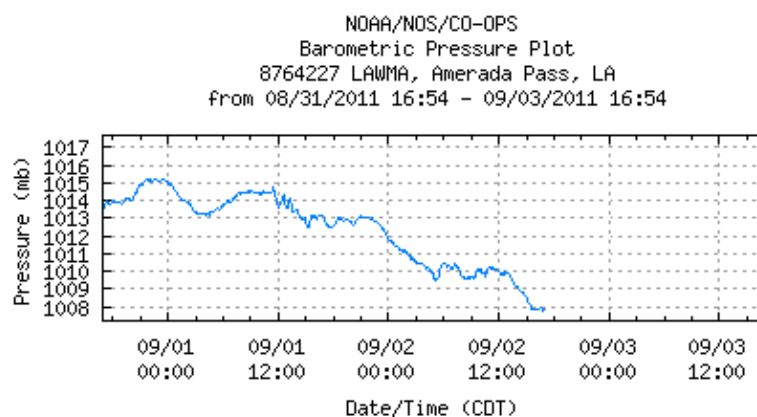
LAWMA, Amerada Pass, LA - Return to List



Last Observed Sample: 09/02/2011 16:54 (CDT)

**Wind Speed: 10 knots** **Gusts: 17 knots** **Direction: 61° T**

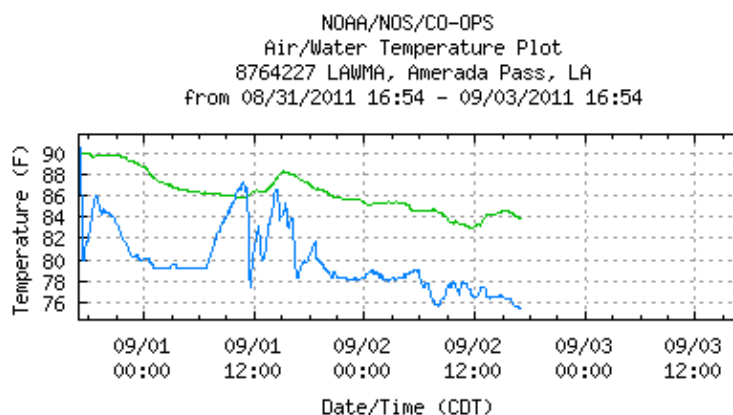
LAWMA, Amerada Pass, LA - Return to List



Last Observed Sample: 09/02/2011 16:54 (CDT)

Barometric Pressure: 1007.8 mb

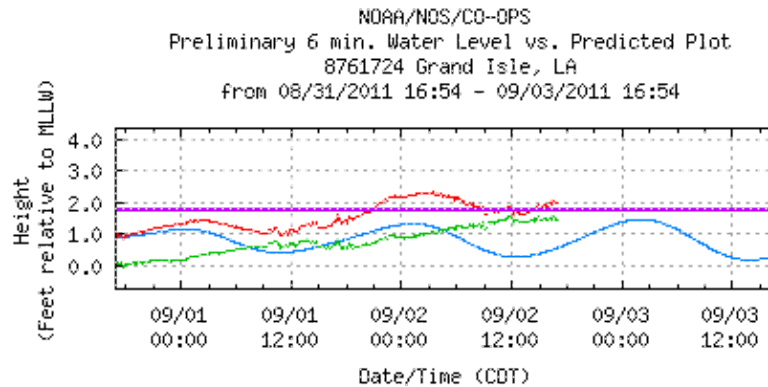
LAWMA, Amerada Pass, LA - Return to List



Last Observed Sample: 09/02/2011 16:54 (CDT)

Water Temperature: 83.8° F Air Temperature: 75.4° F

Grand Isle, LA - Return to List

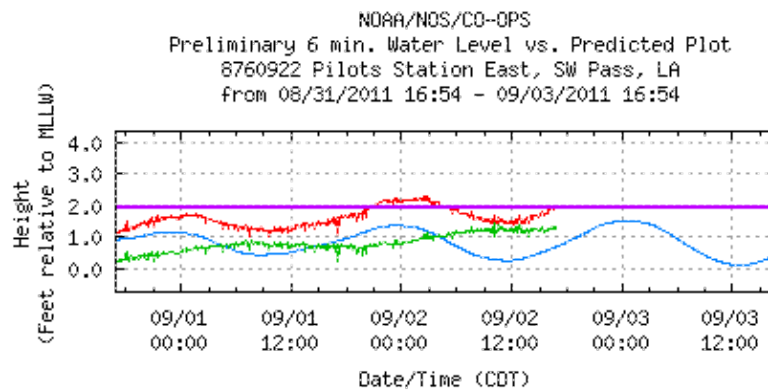


Last Observed Sample: 09/02/2011 16:54 (CDT)

Relative to MLLW: **Observed: 1.97 ft.** **Predicted: 0.55 ft.** **Residual: 1.42 ft.**

Historical Maximum Water Level: Aug 29 2005, 4.54 ft. above MHHW

Pilots Station East, SW Pass, LA - Return to List

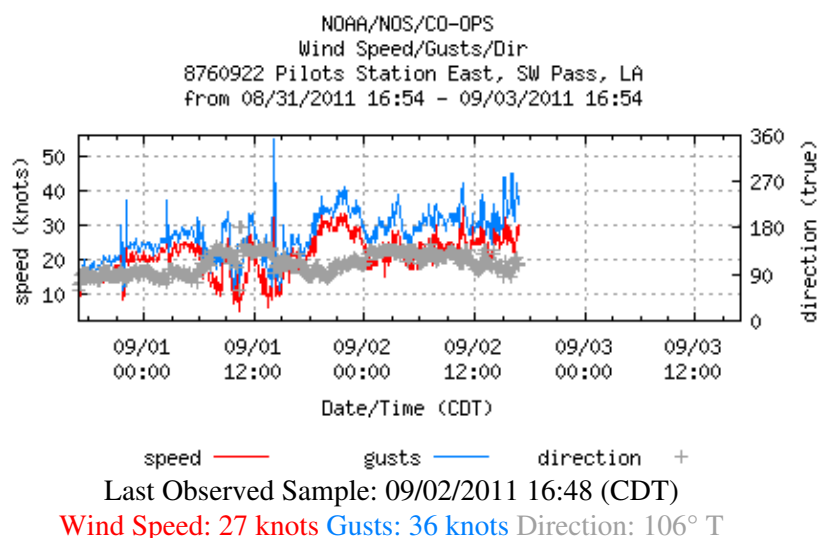


Last Observed Sample: 09/02/2011 16:48 (CDT)

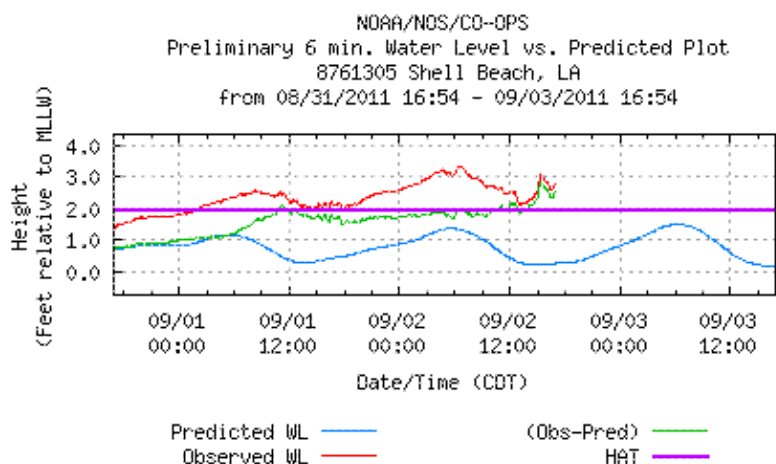
Relative to MLLW: **Observed: 1.98 ft.** **Predicted: 0.68 ft.** **Residual: 1.30 ft.**

Historical Maximum Water Level: Aug 29 2005, 6.22 ft. above MHHW

Pilots Station East, SW Pass, LA - Return to List



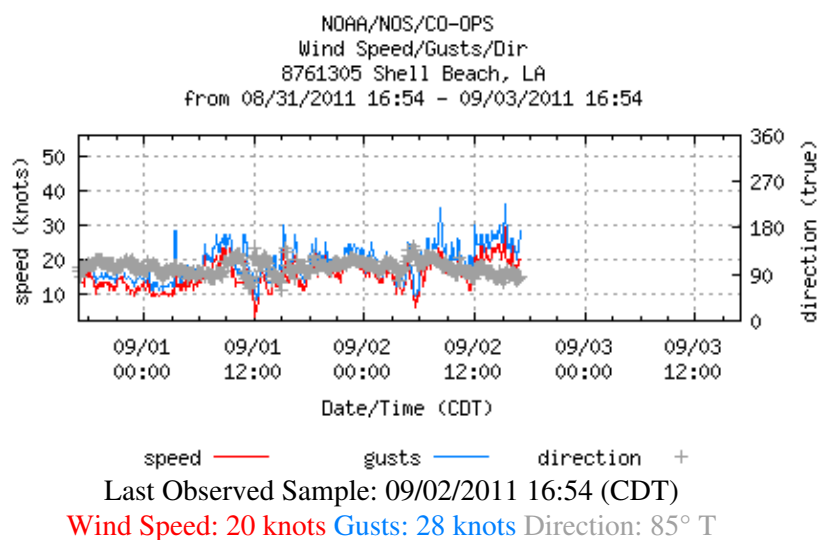
Shell Beach, LA - Return to List



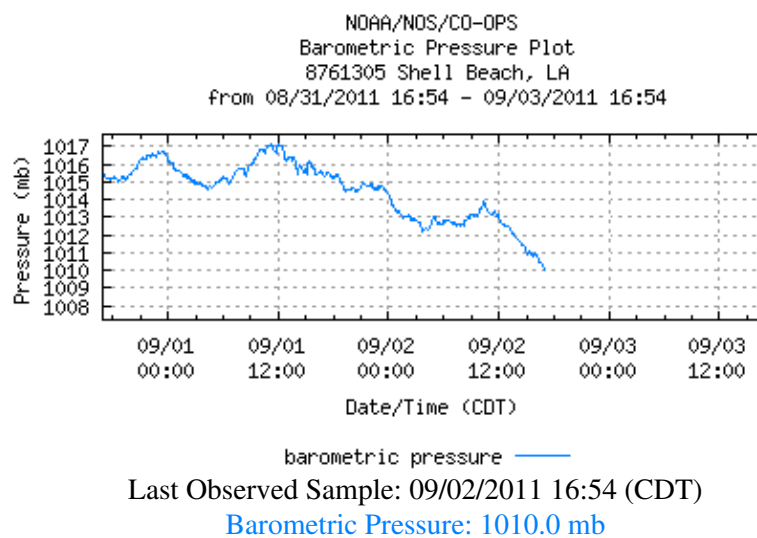
Last Observed Sample: 09/02/2011 16:54 (CDT)  
Relative to MLLW: Observed: 2.77 ft. Predicted: 0.25 ft. Residual: 2.52 ft.  
Historical Maximum Water Level: Sep 1 2008, 8.84 ft. above MHHW



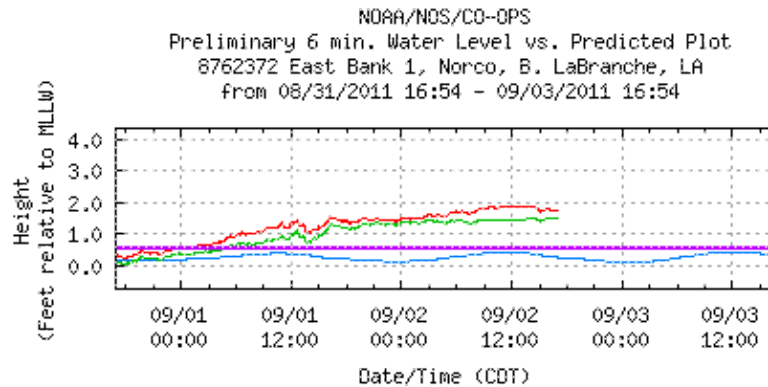
Shell Beach, LA - Return to List



Shell Beach, LA - Return to List



East Bank 1, Norco, B. LaBranche, LA - Return to List



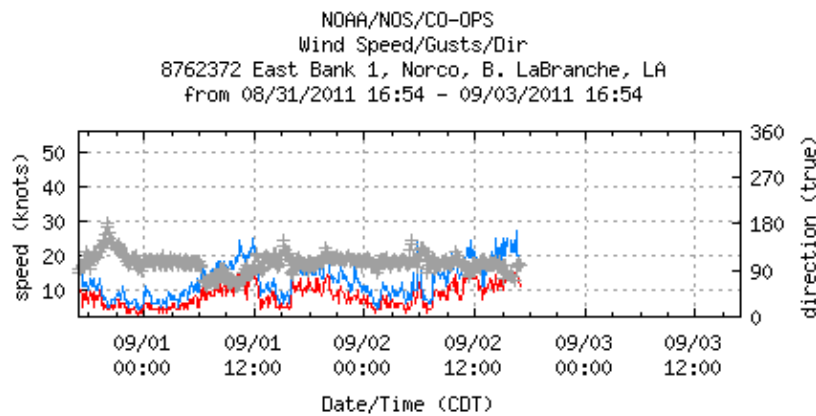
Predicted WL — (Obs-Pred) —  
Observed WL — HAT —

Last Observed Sample: 09/02/2011 16:54 (CDT)

Relative to MLLW: **Observed: 1.74 ft.** **Predicted: 0.26 ft.** **Residual: 1.48 ft.**

Historical Maximum Water Level: Aug 30 2005, 5.3 ft. above MHHW

East Bank 1, Norco, B. LaBranche, LA - Return to List

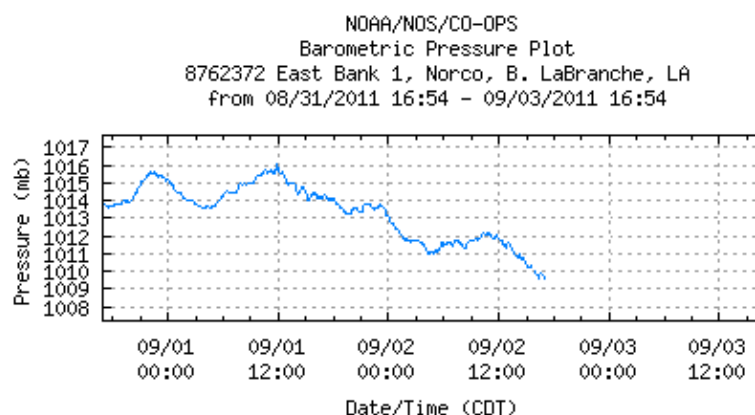


speed — gusts — direction +

Last Observed Sample: 09/02/2011 16:54 (CDT)

**Wind Speed: 11 knots** **Gusts: 17 knots** **Direction: 101° T**

East Bank 1, Norco, B. LaBranche, LA - Return to List

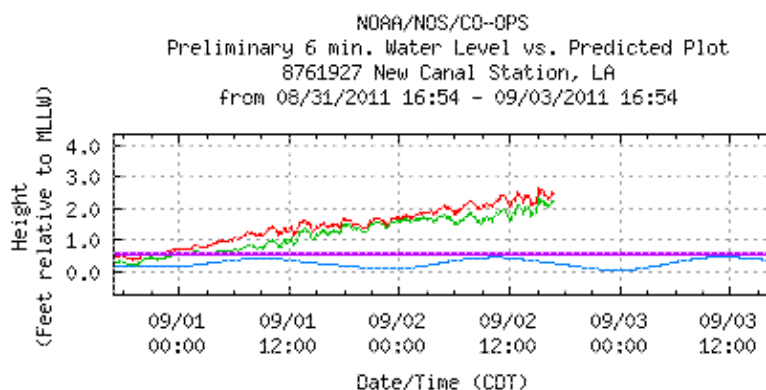


barometric pressure —

Last Observed Sample: 09/02/2011 16:54 (CDT)

Barometric Pressure: 1009.6 mb

New Canal Station, LA - Return to List



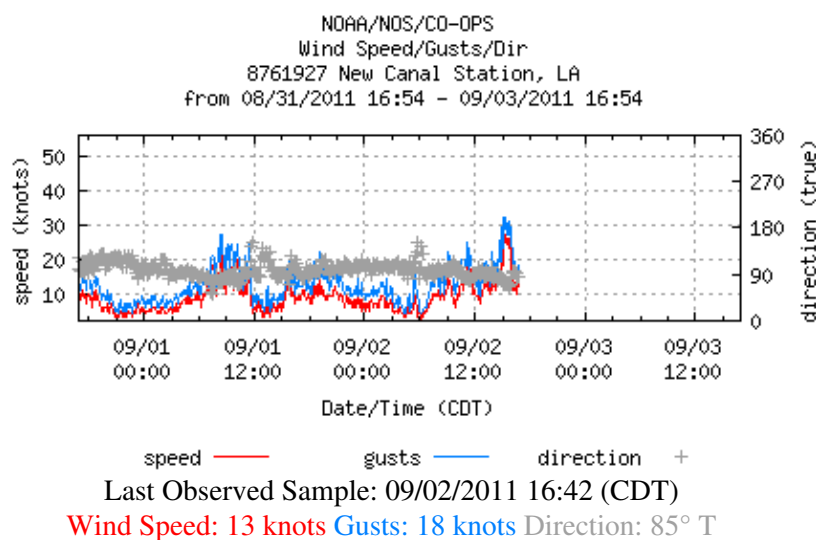
Predicted WL — (Obs-Pred) —  
Observed WL — HAT —

Last Observed Sample: 09/02/2011 16:42 (CDT)

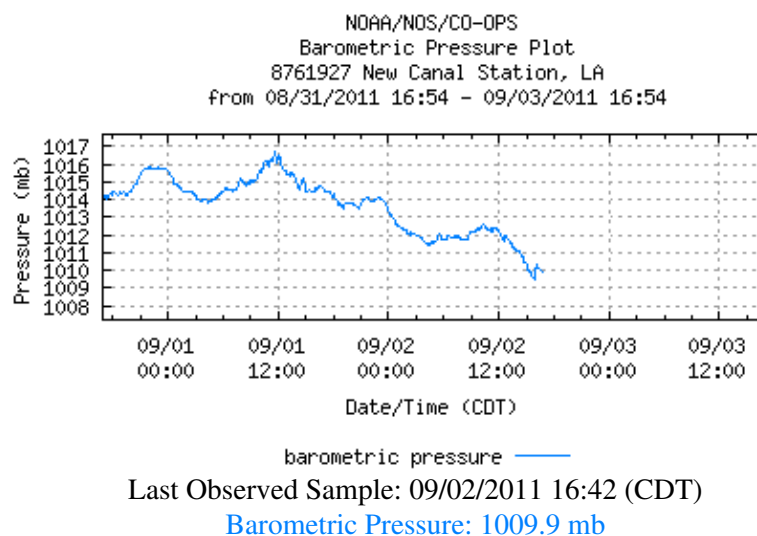
Relative to MLLW: Observed: 2.47 ft. Predicted: 0.26 ft. Residual: 2.21 ft.

Historical Maximum Water Level: Sep 13 2008, 4.98 ft. above MHHW

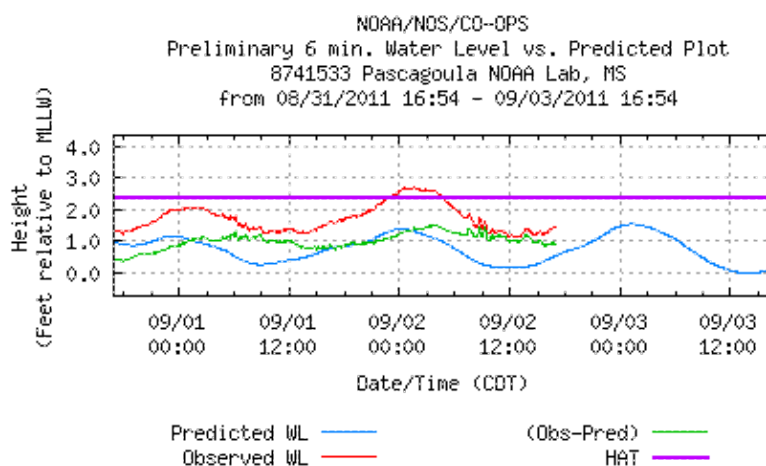
New Canal Station, LA - Return to List



New Canal Station, LA - Return to List



Pascagoula NOAA Lab, MS - Return to List

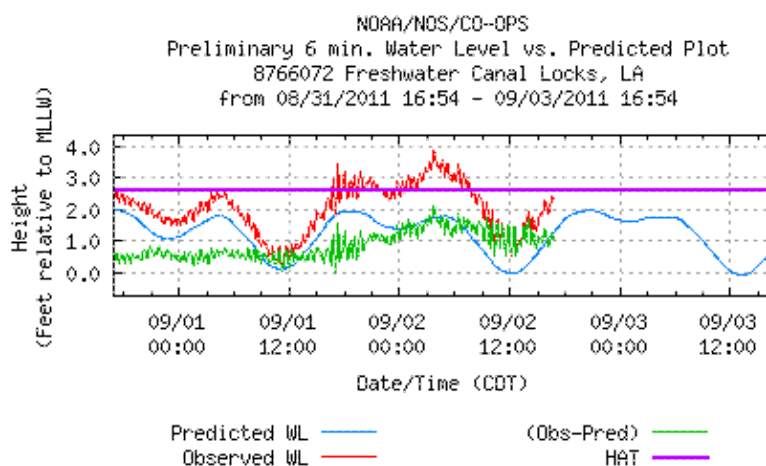


Last Observed Sample: 09/02/2011 16:54 (CDT)

Relative to MLLW: **Observed: 1.43 ft.** **Predicted: 0.52 ft.** **Residual: 0.91 ft.**

Historical Maximum Water Level: Sep 1 2008, 4.9 ft. above MHHW

Freshwater Canal Locks, LA - Return to List

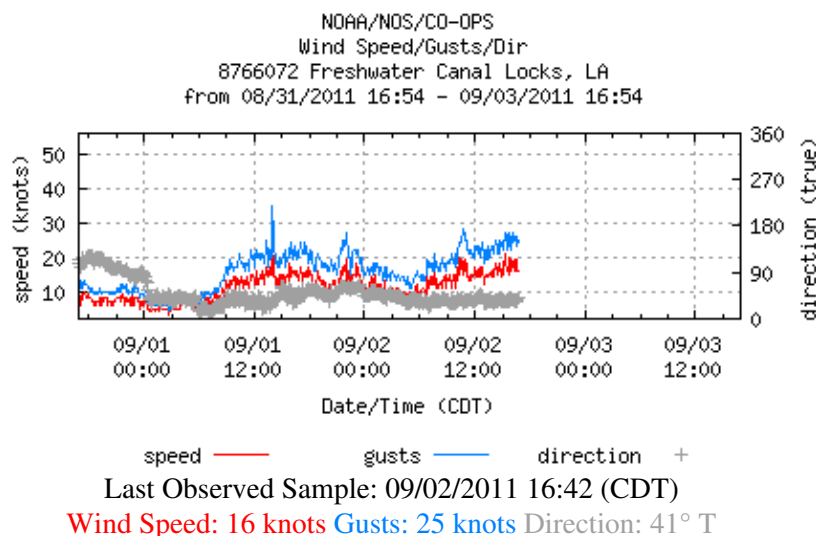


Last Observed Sample: 09/02/2011 16:42 (CDT)

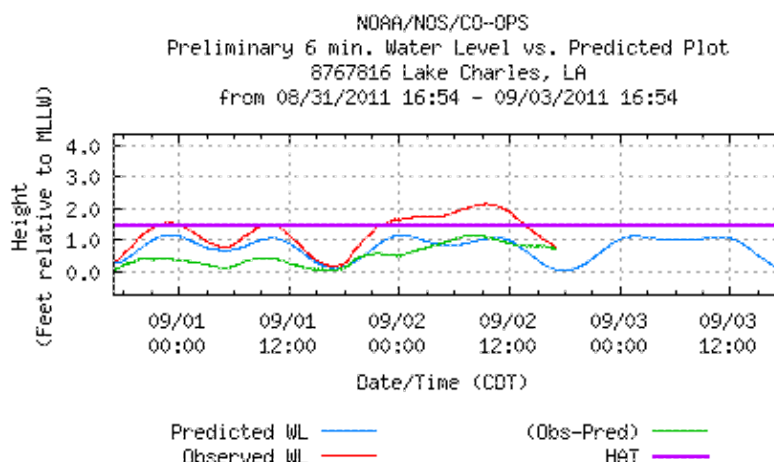
Relative to MLLW: **Observed: 2.33 ft.** **Predicted: 1.23 ft.** **Residual: 1.10 ft.**

Historical Maximum Water Level: Sep 12 2008, 7.98 ft. above MHHW

Freshwater Canal Locks, LA - Return to List

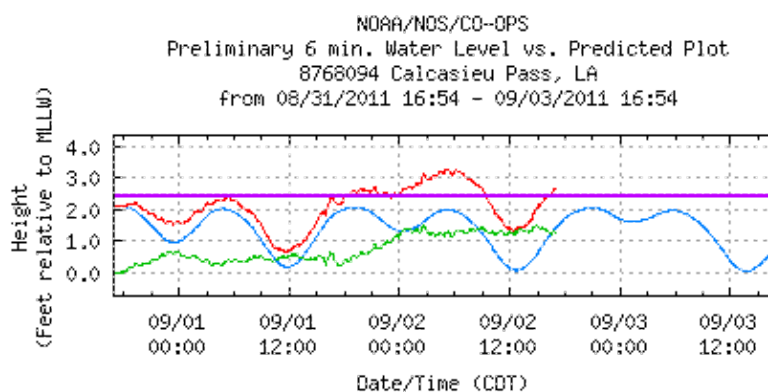


Lake Charles, LA - Return to List



Last Observed Sample: 09/02/2011 16:54 (CDT)  
Relative to MLLW: Observed: 0.79 ft. Predicted: 0.07 ft. Residual: 0.72 ft.  
Historical Maximum Water Level: Oct 16 2006, 2.22 ft. above MHHW

Calcasieu Pass, LA - Return to List



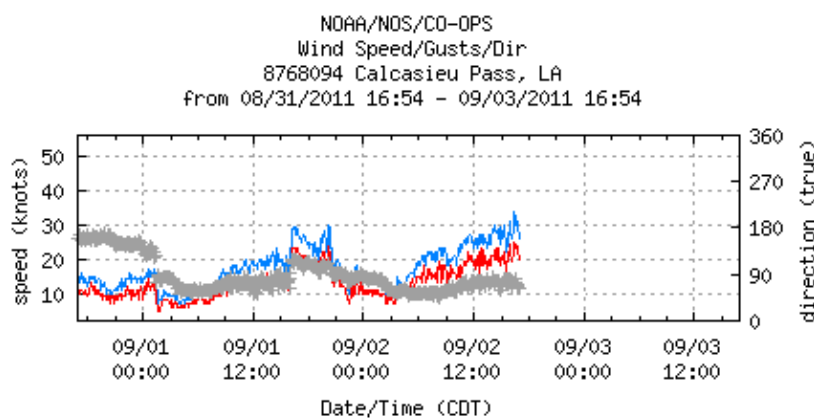
Predicted WL — (Obs-Pred) —  
Observed WL — HAT —

Last Observed Sample: 09/02/2011 16:54 (CDT)

Relative to MLLW: **Observed: 2.65 ft.** **Predicted: 1.40 ft.** **Residual: 1.25 ft.**

Historical Maximum Water Level: Sep 13 2008, 9.96 ft. above MHHW

Calcasieu Pass, LA - Return to List

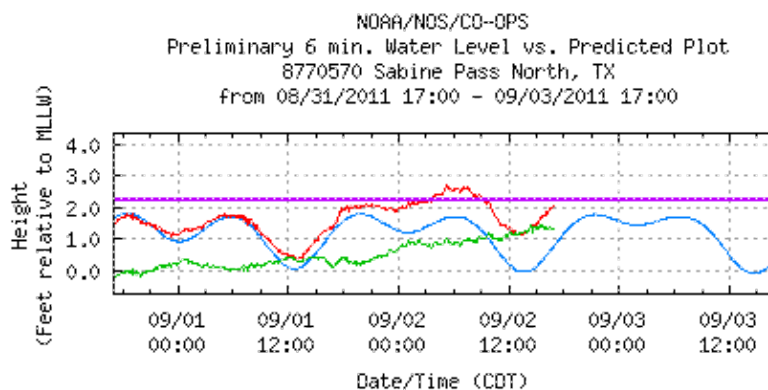


speed — gusts — direction +

Last Observed Sample: 09/02/2011 16:54 (CDT)

**Wind Speed: 20 knots** **Gusts: 26 knots** **Direction: 62° T**

Sabine Pass North, TX - Return to List

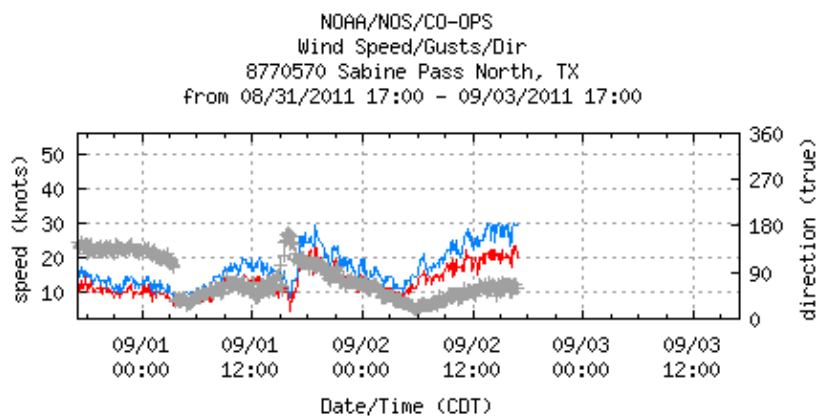


Last Observed Sample: 09/02/2011 16:48 (CDT)

Relative to MLLW: **Observed: 2.04 ft.** **Predicted: 0.74 ft.** **Residual: 1.30 ft.**

Historical Maximum Water Level: Sep 11 1998, 3.32 ft. above MHHW

Sabine Pass North, TX - Return to List



Last Observed Sample: 09/02/2011 16:48 (CDT)

**Wind Speed: 20 knots** **Gusts: 29 knots** **Direction: 61° T**



Tropical Storm LEE QuickLook, POSTED 17:00 CDT 09/02/2011

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National Oceanic and Atmospheric Administration | U.S. Department of Commerce